

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/727816	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 19:37
S2	3	((("20040032720") or ("5761036") or ("20030092305")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 10:21
S3	2	10/131257	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 10:24
S4	1	("4,682,269").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 10:24
S5	96	("2153177"   "2853656"   "3077511"   "3195628"   "3200297"   "3419844"   "3509206"   "3513434"   "3616532"   "3680037"   "3764959"   "3795037"   "3795047"   "3858958"   "3862790"   "3873173"   "3881799"   "3904934"   "3917375"   "3971610"   "4029375"   "4082399"   "4082407"   "4092697"   "4168877"   "4190098"   "4193108"   "4202593"   "4236776"   "4257661"   "4278311"   "4360858"   "4373778"   "4508405"   "4539621"   "4574331"   "4581679"   "4593961"   "4595794"   "4620761"   "4679118"   "4682269"   "4706161"   "4707657"   "4716494"   "4731698"   "4733172"   "4744009"   "4750092"   "4803546"   "4988306"   "4992053"   "5000689"   "5007841"   "5013249"   "5074798"   "5109980"   "5127837"   "5163837"   "5282111").PN. OR ("5761036").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 10:34
S6	11	("4504105"   "4621884"   "4692790"   "5302853"   "5344334"   "5761036"   "6692279").PN. OR ("6832919").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 10:35
S7	55	("3568001"   "4390220"   "4692790"   "4725922"   "4744009"   "4760495"   "4923404"   "4933808"   "4954878"   "5065227"   "5102829").PN. OR ("5302853").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 10:38

## EAST Search History

S8	21	("5208731"   "5241453"   "5302853"   "5381305"   "5889653"   "5909358"   "5917700"   "5943209"   "6082440"   "6108207"   "6115253"   "6181559"   "6195880"   "6272722"   "6304453"   "6343013"   "6381813").PN. OR ("6508300").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 11:09
S9	269	(439/485).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 19:45
S10	203	(439/487).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 19:45
S11	187	S10 not S9	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 19:51
S12	548	(361/710).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 19:51
S13	541	S12 not S10 not S9	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 20:06
S14	3249	(165/80.3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 20:06
S15	535	S14 not S12 not S10 not S9	US-PGPUB	OR	ON	2006/07/17 20:13
S16	2362	S14 not S12 not S10 not S9	USPAT; USOCR	OR	ON	2006/07/18 10:01
S17	53	("2432513"   "2916159"   "2958515"   "3033537"   "3146384"   "3182114"   "3229756"   "3417300"   "4345267"   "4396935"   "4481525"   "4576224"   "4593342"   "4607685"   "4660123"   "4745456"   "4753287"   "4924352"   "5053853"   "5170323"   "5313099"   "5353193"   "5397919"   "5566052"   "5667870"   "5708564"   "Re35573").PN. OR ("6293331").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 20:35
S18	150	S14 not S12 not S10 not S9 and @pn<"2778000"	USPAT; USOCR	OR	ON	2006/07/17 21:00
S19	157	socket with (board substrate) with (frame retainer) with (device electronic integrated processor CPU microprocessor)	USPAT; USOCR	OR	ON	2006/07/17 21:29

## EAST Search History

S20	16	("5344334"   "5602719"   "5647756"   "6015301"   "6244875"   "6282093").PN. OR ("6648656").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 21:03
S21	9	("20040032720"   "5074798"   "5310350"   "5387120"   "5688140"   "6086387"   "6191480"   "6449157"   "6648656").PN. OR ("7001197").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 21:10
S22	27	("20040067672"   "20040097119"   "20040229492"   "5057031"   "5167515"   "5183361"   "5605006"   "6280222"   "6485320"   "6626691"   "6648656"   "6676429"   "6685494"   "6692279"   "6699057"   "6716050"   "6719580"   "6722909"   "6726500"   "6735085"   "6758691"   "6776625"   "6776642"   "6780024"   "6780041"   "6799978").PN. OR ("6908327").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 21:15
S23	29	("4345810"   "4456318"   "4502747"   "4504105"   "4515424"   "4515425"   "4553805"   "4560216"   "4560217"   "4601525"   "4715835"   "4760161"   "4761140"   "5009608"   "5109980"   "5120238"   "5241453"   "5244404"   "5302853"   "5344334"   "5387120"   "5485351"   "5669784"   "5761036"   "6244875").PN. OR ("6716050").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 21:19
S24	47	(socket with ((land adj grid) LGA)) same (heatsink sink)	USPAT; USOCR	OR	ON	2006/07/17 21:27
S25	12	("20020118513"   "4679118"   "5371652"   "6093961"   "6105215"   "6205026"   "6222731"   "6226185"   "6295203"   "6373703"   "6462951"   "6672374").PN. OR ("6826052").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 21:25
S26	26	(socket with ((land adj grid) LGA)) same (heatsink sink)	US-PGPUB	OR	ON	2006/07/17 21:33
S27	96	socket with (board substrate) with (frame retainer) with (device electronic integrated processor CPU microprocessor)	US-PGPUB	OR	ON	2006/07/17 21:37
S28	0	("2005/0122690").URPN.	USPAT	OR	ON	2006/07/17 21:31
S29	81	(socket with ((ball adj grid) BGA)) same (heatsink sink)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 21:35

## EAST Search History

S30	13	(socket with ((ball adj grid) (land adj rid) BGA LGA)) same (heatsink sink)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 08:28
S31	109	socket with (board substrate) with (frame retainer) with (device electronic integrated processor CPU microprocessor)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/17 21:44
S32	1	("6244875").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/17 21:44
S33	13	("5163837"   "5302853"   "5485351").PN. OR ("6244875").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 21:44
S34	1457	(socket with ((ball adj grid) (land adj rid) BGA LGA))	US-PGPUB; USPAT	OR	ON	2006/07/18 09:22
S35	0	("2003/0210064").URPN.	USPAT	OR	ON	2006/07/18 08:42
S36	9	("20040032720"   "5074798"   "5310350"   "5387120"   "5688140"   "6086387"   "6191480"   "6449157"   "6648656").PN. OR ("7001197").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 08:48
S37	12	("20040224548"   "4456318"   "4502747"   "4826440"   "5344334"   "6142809"   "6155859"   "6371786"   "6485320"   "6485321"   "6758691"   "6877990").PN. OR ("6971902").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 08:50
S38	14	("4554505"   "5215472").PN. OR ("5702256").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 09:10
S39	38	("4427249"   "4456318"   "4502747"   "4560216"   "4598965"   "4601525"   "4621884"   "4657328"   "4706161"   "4761140"   "4832612"   "5100333"   "5109980"   "5120238"   "5163837").PN. OR ("5344334").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 09:21
S40	624	(socket with ((ball adj grid) (land adj rid) BGA LGA))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/18 10:01
S41	513	(439/331).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 10:01
S42	269	(439/485).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 10:02

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S43	203	(439/487).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 10:02
S44	548	(361/710).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 10:02
S45	3253	(165/80.3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 10:02
S46	422	S41 not S45 not S44 not S43 not S42	USPAT; USOCR	OR	ON	2006/07/18 10:08
S47	1359	(361/719).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 10:10
S48	74	S41 not S45 not S44 not S43 not S42	US-PGPUB	OR	ON	2006/07/18 10:09
S49	922	S47 not S41 not S45 not S44 not S43 not S42	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 10:10
S50	1479	(257/718-719).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 10:10
S51	721	S50 not S47 not S41 not S45 not S44 not S43 not S42	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 10:48
S52	1	("7001197").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 10:58
S53	1	09/814322	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 12:36
S54	1	("7001197").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 12:36
S55	791	(test same socket) and (retainer frame) same (spring flexible resilient)	US-PGPUB; USPAT	OR	ON	2006/07/21 13:10
S57	120	(test same socket) and chip same (retainer frame) same (spring flexible resilient)	US-PGPUB; USPAT	OR	ON	2006/07/21 14:31
S58	146	("3596228"   "3832769"   "4048438"   "4237607"   "4510017"   "4649339"   "4779340"   "4968589").PN. OR ("5088190").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 13:22

## EAST Search History

S59	23	("0109330"   "1050265"   "1645476"   "2016606"   "2927295"   "4130327"   "4220383"   "4278311"   "4354720"   "4378139"   "4381131"   "4433886"   "4456318"   "4460223"   "4502747").PN. OR ("4560217").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 13:28
S60	14	("4278311"   "4341433"   "4345810"   "4357720"   "4389080").PN. OR ("4460223").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 13:45
S61	352	(connector socket) same ((retainer lid frame) with (curve arcuate) with (flat parallel))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/21 13:47
S62	77	(connector socket) same ((retainer lid frame) with (curve arcuate) with (flat parallel))	US-PGPUB; USPAT	OR	ON	2006/07/21 13:56
S63	98	(connector socket) same ((retainer lid frame) same (curve arcuate) same (flat parallel)) and (thermal heat\$3 cool\$3)	US-PGPUB; USPAT	OR	ON	2006/07/21 14:40
S64	81	S63 not S62	US-PGPUB; USPAT	OR	ON	2006/07/21 13:49
S65	0	(connector socket) same ((retainer lid frame) same (curve arcuate) same (flat parallel)) and (thermal heat\$3 cool\$3)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 14:38
S66	5	(connector socket) same ((retainer lid frame) with (curve arcuate) with (flat parallel))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 14:08
S67	92	(test same socket) and chip same (retainer frame) same (spring flexible resilient) and (heat\$3 cool\$3 thermal)	US-PGPUB; USPAT	OR	ON	2006/07/21 14:31
S68	0	(connector socket) same ((retainer lid frame) same (curve\$1 arcuate\$1) same (flat parallelstraight\$3)) and (thermal heat\$3 cool\$3)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/21 14:39
S69	111	(connector socket) same ((retainer lid frame) same (curve\$1 arcuate\$1) same (flat parallelstraight\$3)) and (thermal heat\$3 cool\$3)	US-PGPUB; USPAT	OR	ON	2006/07/21 14:43
S70	67	S69 not S63	US-PGPUB; USPAT	OR	ON	2006/07/21 14:40
S71	44	S69 not S70	US-PGPUB; USPAT	OR	ON	2006/07/21 14:42

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S72	1	("4460223").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 14:46
S73	1	("5761036").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 15:02
S74	0	("86832919").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 15:02
S75	1	("6832919").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 17:00
S76	1	("6501657").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 17:01
S77	1	("6519149").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 17:02
S78	0	("2004228095").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 17:03
S79	1	("20040228095").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/21 17:03